

**DERWENT-ACC-NO: 2003-227185**

**DERWENT-WEEK: 200322**

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**TITLE: Device for reducing fuel and restricting smoke**

**INVENTOR: JUNG, Y H**

**PATENT-ASSIGNEE: JUNG Y H[JUNGI]**

**PRIORITY-DATA: 2001KR-0027499 (May 19, 2001)**

**PATENT-FAMILY:**

<b>PUB-NO</b>	<b>PUB-DATE</b>	<b>LANGUAGE</b>	<b>PAGES</b>	<b>MAIN-IPC</b>
<b>KR 2002088685 A</b>	<b>November 29, 2002</b>	<b>N/A</b>	<b>001</b>	<b>F01N005/02</b>

**APPLICATION-DATA:**

<b>PUB-NO</b>	<b>APPL-DESCRIPTOR</b>	<b>APPL-NO</b>	<b>APPL-DATE</b>
<b>KR2002088685A</b>	<b>N/A</b>	<b>2001KR-0027499</b>	<b>May 19, 2001</b>

**INT-CL (IPC): F01N005/02**

**ABSTRACTED-PUB-NO: KR2002088685A**

**BASIC-ABSTRACT:**

**NOVELTY - A fuel consumption reducing and smoke restricting device is provided to burn completely by activating fuel particles during passing fuel through a ceramic filter and an infrared hot wire in plural ring-shaped permanent magnets.**

**DETAILED DESCRIPTION - A fuel reducing and smoke restricting apparatus**

**is**

**composed of sockets(1a) having in/out nipples(1b); a central inlet pipe(7) forming plural permanent magnets(8) around the socket; a return guide pipe(6)**

**having plural return discharge holes(6a) around a circle; a ceramic filter(5) made by dissolving and mixing various kinds of native stone; a coil bobbin(4)**

**forming the ceramic filling chamber and winding a coil(3); a heat detecting sensor(10); and an outer cover(2). Fuel waste is prevented with burning completely by activating fuel particles.**

**CHOSEN-DRAWING: Dwg.1/10**

**TITLE-TERMS: DEVICE REDUCE FUEL RESTRICT SMOKE**

**DERWENT-CLASS: Q51**

